**Problem of the Week #5 Q3**

Due 2/3/12 by 3:15 PM

Turn in to the Math Office “POW Cubby” or email to [13mmistele@ransomeverglades.org](mailto:13mmistele@ransomeverglades.org)

**Help! A Remainder is Chasing Me**

We just found a number with an interesting property:

When I divide it by 2, the remainder is 1.

When I divide it by 3, the remainder is 2.

When I divide it by 4, the remainder is 3.

When I divide it by 5, the remainder is 4.

When I divide it by 6, the remainder is 5.

When I divide it by 7, the remainder is 6.

When I divide it by 8, the remainder is 7.

When I divide it by 9, the remainder is 8.

When I divide it by 10, the remainder is 9.

It's not a small number, but it's not really big, either.

Find the smallest number with such property.

Results will be posted on the Math Team board in Ludington and online at repow.wikispaces.com!